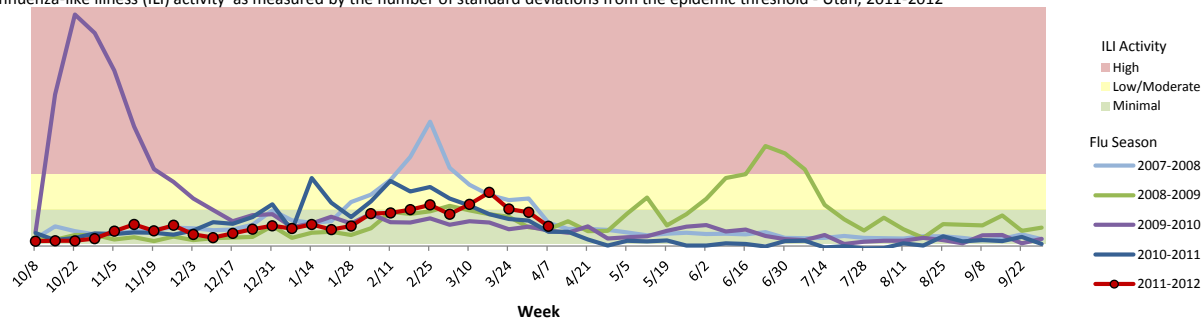


Influenza-like Illness Activity

Weekly Influenza-like Illness Activity

Influenza-like illness (ILI) activity as measured by the number of standard deviations from the epidemic threshold - Utah, 2011-2012



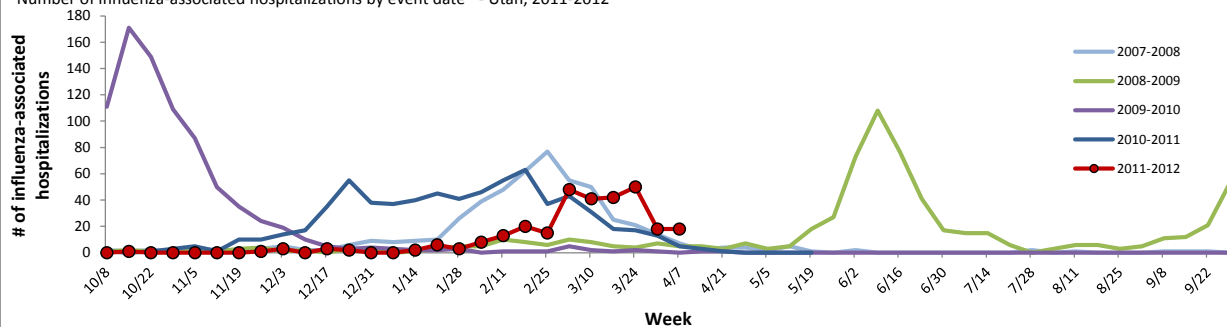
Influenza-like Illness (ILI) Activity Levels by Health District - Utah

Health District	ILI Activity
Bear River	Minimal
Central	Minimal
Davis	Minimal
Salt Lake	Minimal
Southwest	Low/Moderate
Summit	Minimal
Tooele	Minimal
TriCounty	Minimal
Utah	Minimal
Wasatch	Minimal
Weber-Morgan	Minimal
State	Minimal

Severity Measures

Influenza-associated Hospitalizations

Number of influenza-associated hospitalizations by event date* - Utah, 2011-2012



*Event date is calculated based on a hierarchy of dates: 1. onset date 2. specimen collection date 3. date reported to public health.

Summary Data for Influenza-associated Hospitalizations, 2011-2012 Season to Date

Variable		Number of cases	% of IAH cases	% in Utah pop	p value*
Sex	Male	164	55.8%	50.3%	0.0602
	Female	129	43.9%	49.7%	0.0460
	Unknown	1	0.3%	NA	--
Race	White, Not Hispanic	218	74.1%	82.0%	0.0004
	Hispanic	44	15.0%	11.6%	0.0703
	Native Hawaiian/Pacific Islander	19	6.5%	0.7%	<0.0001
	Black/African American	5	1.7%	0.9%	0.1708
	American Indian	1	0.3%	1.1%	0.1993
	Asian	7	2.4%	1.9%	0.5169
	Unknown	0	0.0%	NA	--

*If a p value is ≤ 0.05 , there is a significant difference between the percentage seen in IAH and the general Utah population.

Severity Measures, cont.

Cases of Influenza-associated Hospitalizations by Age Group, Utah, 2011-2012

Age Group	Total Cases Season to Date	Percent of Cases	Cases/ 100,000 Population	New Cases in Past Week
0-4 years	72	24.5%	26.6	1
5-24 years	46	15.6%	4.9	2
25-49 years	67	22.8%	6.8	5
50-64 years	53	18.0%	13.2	3
65+ years	56	19.0%	22.7	7
Total	294	100%	10.3	18

Influenza-associated Hospitalizations by Health District, 2011-2012 Season to Date

Health District	Total Hospitalizations
Bear River	8
Central	24
Davis	21
Salt Lake	168
Southeastern	1
Southwest	21
Summit	5
Tooele	1
TriCounty	0
Utah	26
Wasatch	0
Weber-Morgan	19

Summary Data for Influenza-associated Hospitalizations, 2011-2012 Season to Date

Variable	Yes		No		Unknown	
	Number of Cases	% of cases	Number of Cases	% of cases	Number of Cases	% of cases
ICU	48	16.3%	228	77.6%	18	6.1%
Ventilator	16	5.4%	256	87.1%	22	7.5%
Died	5	1.7%	275	93.5%	14	4.8%
Neurological Symptoms	33	11.2%	243	82.7%	18	6.1%
Healthcare Worker	3	1.0%	222	75.5%	69	23.5%
Pregnant	11	3.7%	278	94.6%	5	1.7%
Heart Disorder	54	18.4%	222	75.5%	18	6.1%
Blood Disorder	7	2.4%	263	89.5%	24	8.2%
Kidney Disorder	21	7.1%	258	87.8%	15	5.1%
Metabolic Disorder	57	19.4%	219	74.5%	18	6.1%
Chronic Respiratory Disorder	110	37.4%	167	56.8%	17	5.8%
Immunosuppressed	23	7.8%	253	86.1%	18	6.1%
Neurological Disorder	33	11.2%	243	82.7%	18	6.1%
Seizure Disorder	11	3.7%	264	89.8%	19	6.5%
Bacterial Co-infection	8	2.7%	266	90.5%	20	6.8%
Obese**	58	32.2%	49	27.2%	73	40.6%
Morbidly Obese**	15	8.3%	92	51.1%	73	40.6%
Risk Factor***	254	86.4%	40	13.6%	0	0.0%
Vaccinated	82	27.9%	141	48.0%	71	24.1%

**Obesity and morbid obesity is not considered for individuals under 18 years or pregnant women. Thus total counts will not equal the total number of influenza-associated hospitalizations

***Risk factors for influenza include: persons < 5 years, persons ≥ 65 years, pregnant women, and persons with a chronic medical condition.

Case Counts of Influenza-associated Hospitalizations, Utah, 2011-2012

Case Status	Current Week	Current Week % of Cases	Season Total	Season % of Cases
Confirmed*	17	94.4%	274	93.2%
Probable**	1	5.6%	20	6.8%
Total	18	100.0%	294	100.0%

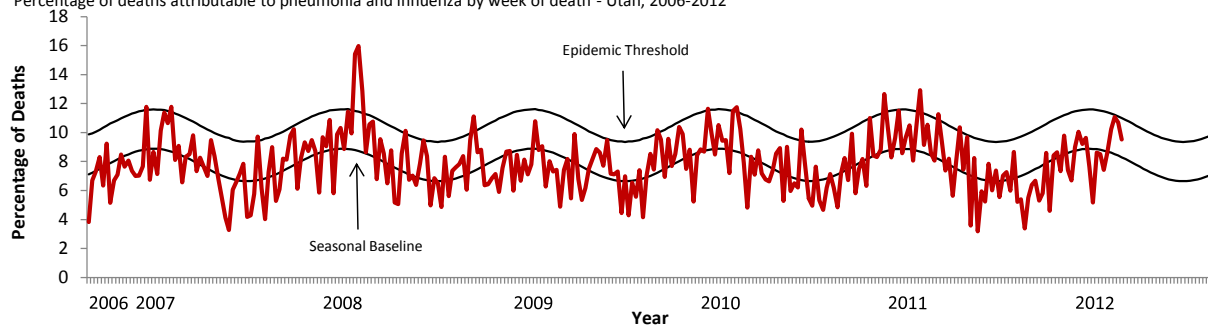
*Confirmed= hospitalized with serology, DFA, PCR, or culture positive influenza test

**Probable= hospitalized with a positive rapid test

Pneumonia and Influenza Deaths

Pneumonia and Influenza Deaths

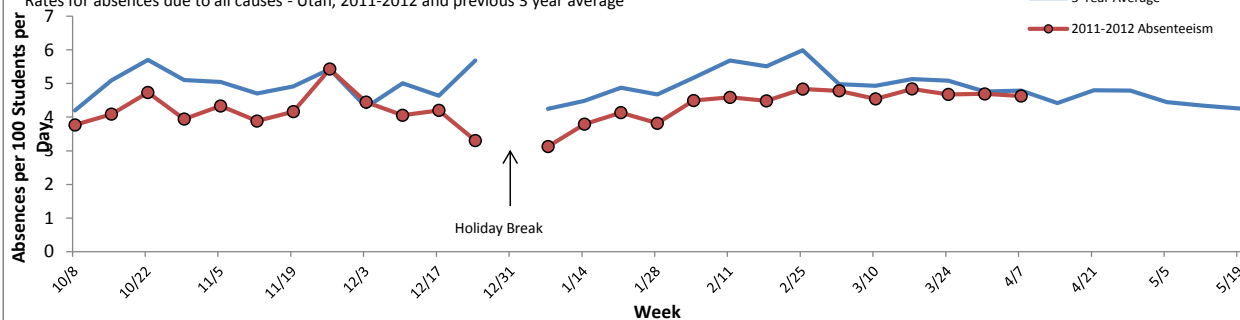
Percentage of deaths attributable to pneumonia and influenza by week of death - Utah, 2006-2012



School Absenteeism

Student Absenteeism by Week

Rates for absences due to all causes - Utah, 2011-2012 and previous 3 year average



Weekly Student Absenteeism - Utah, 2011-2012

Health District	All absences per 100 students/day
Bear River	3.9
Central	5.2
Davis	--
Salt Lake	4.4
Southeast	6.7
Southwest	6.2
Summit	7.9
Tooele	0.0
TriCounty	4.5
Utah	2.9
Wasatch	5.6
Weber-Morgan	6.0
State	4.9

Virologic Data

Unified State Laboratory: Public Health Virologic Data

	Season to-date		Current MMWR week	
	Number	Percent	Number	Percent
Specimens tested	1,339	--	96	--
Positive specimens	941	70.3%	79	82.3%
Positive Specimens by Type/Subtype				
Influenza A	933	99.1%	79	100.0%
A (2009 H1N1)	625	67.0%	49	62.0%
A (H1)	0	0.0%	0	0.0%
A (H3)	308	33.0%	30	38.0%
A (subtyping not performed)	0	0.0%	0	0.0%
A (unable to subtype)	0	0.0%	0	0.0%
Influenza B	8	0.9%	0	0.0%

Influenza Positive Tests

Influenza positive specimens tested by Unified State Laboratory: Public Health (USLPH) - Utah, 2011-2012

